

## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/NZ2003/000279**A. CLASSIFICATION OF SUBJECT MATTER**Int. Cl. <sup>7</sup>: G01N 22/04, 33/12, G01K 11/06, 13/10, A23B 4/06, 4/07

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

FWPI: /ic g01n-022 or g01n-023 or g01n-021 or g01k, freez+ or frozen or thaw+ or melt+ or molten or frost+ or defrost+ or chill+ or cool+ or cold+ or ice, microwav+ or radiofrequen+ or radiowav+ or (radio (w) wav+) or electromagnetic or radiation, measur+ or detect+ or determin+, absor+ or transmi+ or attenuat+, (antenna+ or aerial+ or transmitter? or receiver? or emitter? or detector?) (s) (touch+ or contact+ or proxim+ or abut+ or adjacent+), opposite

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 1998/001747 A1 (REED) 15 January 1998 Whole document	1-4, 10-20
X	Patent Abstracts of Japan, JP 59-176655 A (HITACHI HEATING APPLIANCE CO LTD) Abstract; drawing	1-4, 17-20
X	GB 1114157 A (ASSOCIATED ELECTRICAL INDUSTRIES LIMITED) 15 May 1968 Whole document	1-4, 10-20

☒ Further documents are listed in the continuation of Box C☒ See patent family annex

* Special categories of cited documents:	
"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E" earlier application or patent but published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search  
14 April 2004Date of mailing of the international search report  
19 APR 2004Name and mailing address of the ISA/AU  
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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	KUPFER, "Mikrowellenfeuchtmeßgeräte und ihr Einsatz in der Prozeßtechnik", Technische Messen, vol. 61, no. 11, November 1994, pages 409-420 Page 413-415; Figures 4-5	1-4,10-20
X	WO 1991/002966 A1 (COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION) 7 March 1991 Abstract; Figure 5	1-4,10-20
X	GB 2297846 A (MMC SPACE SYSTEMS LIMITED) 14 August 1996 Page 9, line 4-page 10, line 15; Figures 1-2; Claims	1-4,10-20
X	US 5845529 A (MOSHE et al.) 8 December 1998 Claims; Column 1, lines 54-61; Figure 7A	1-4,10-20
X	US 5871397 A (NELSON et al.) 16 February 1999 Claim 1; Figure 1	1-4,10-20
X	GB 2359630 A (THOMPSON et al.) 29 August 2001 Whole document	1-4,10-20
X	GB 2185311 A (FILTROL CORPORATION) 15 July 1987 Claims; Page 2, lines 17-44; Figure 1	1-4,10-20
X	US 4131845 A (PAKULIS) 26 December 1978 Claims; Figures 1-2	1-4,17-20
X	US 4727311 A (WALKER) 23 February 1988 Column 6, lines 18-38; Claims	1-4,10-20
X	DD 203398 A (WEBER et al.) 19 October 1983 Claims; Figure	1-4,10-20

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/NZ2003/000279

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report		Patent Family Member			
WO	9801747	AU	34515/97	GB	2319087
JP	59176655				
GB	1114157				
WO	9102966	AU	61689/90	CA	2063717
		US	5333493	EP	0487582
GB	2297846				
US	5845529	AU	15909/99	AU	49334/97
		AU	59038/98	BR	9912701
		EP	0756170	EP	0950177
		EP	1116041	US	5621330
		US	6107809	WO	0009983
		WO	9927353	WO	9829729
US	5871397	US	5934997		
GB	2359630				
GB	2185311	CA	1265875	DE	3700751
US	4131845	US	4825077		
US	4727311	US	4962384		
DD	203398				
Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.					
END OF ANNEX					